BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work: Improvements to roads & drains of byregowda layout in ward no.07 Byataranapura.

Measurements

Estimate cost: 25.00 lakhs

Ward 7 byatarayanapura

Detailed measurements

BRUHAT BANGALORE MAHANAGARA PALIKE
KODIGEHALLI SUB DIVISION- WARD 7 BYATARAYANAPURA

Agency: Sri.Channakeshawa enterprises

Name of work: Improvements to roads & drains of byregowda layout in ward no.07 Byataranapura. Estimated Cost:-25.00 Lakhs

Sl NO	Description of work	ch	No	L	B	D	QTY	
1	Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications.							
	1ST A cross	cum						
		0-30	2	30.00	0.95	1	57.00	
		30-60	2	30.00	0.95	1	57.00	
		60-90	2	30.00	0.95	1	57.00	
		90-120	2	30.00	0.95	1	57.00	
		120-132	2	12.00	0.95	1	22.80	
							250.80	
	RWH		8	0.28	3.00		6.78	
	Overburden earth		1	5.00	2.00	0.6	6.00	
			1	5.00	2.00	0.9	9.00	
							15.00	
						cum	272.58	

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

EE(W-7)
14/8/2020

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

2	**Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications.**							
	1ST A cross	cum						
	Bottom	0-30	2	30.00	0.95	0.15	8.55	
		30-60	2	30.00	0.95	0.15	8.55	
		60-90	2	30.00	0.95	0.15	8.55	
		90-120	2	30.00	0.95	0.15	8.55	
		120-132	2	12.00	0.95	0.15	3.42	
					cum		37.62	

Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P., Bangalore

NDP DE(WS) 21/8/2020

4	**Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications**							
				L	no of rods	le of u bar	Total length	
	LHS		two sides				10mm	8mm
	Main rod	0-30	2	30	340	2.1	1428	
	distribution		2	30	7	30		420
	Main rod	30-60	2	30	340	2.1	1428	
	distribution		2	30	7	30		420
	Main rod	60-90	2	30	340	2.1	1428	
	distribution		2	30	7	30		420
	Main rod	90-120	2	30	340	2.1	1428	
	distribution		2	30	7	30		420
	Main rod	120-132	2	12	140	2.1	588	
	distribution		2	12	7	12		168
							6300	1848
							0.62 kg/cum	0.39kg/cum
							3906	720.72
						tonne	4626.72	4.25

Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P., Bangalore

NDP DE(WS) 25/8/2020

Assistant Engineer

Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

5	Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular slabs /side walls polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge							
	1ST A cross	sqm						
		0-30	8	30		0.6	144.00	
		30-60	8	30		0.6	144.00	
		60-90	8	30		0.6	144.00	
		90-120	8	30		0.6	144.00	
		120-132	8	12		0.6	57.60	
					sqm		633.60	
3	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs, with 20 mm and down size graded granite matel coarse aggregates @ 0.878 cum and fine aggragtes @ 0.53cum, machine mixed concrete laid in layers not eceeding 15 cms, thick well compacted, in foundation, plinth and cills including cost of all materials, labour HOM machinery curing complate as per specifications							
	1ST A cross	cum						
	Bottom	0-30	2	30	0.75	0.15	6.75	
		30-60	2	30	0.75	0.15	6.75	
		60-90	2	30	0.75	0.15	6.75	
		90-120	2	30	0.75	0.15	6.75	
		120-132	2	12	0.75	0.15	2.70	
	Side wall	0-30	4	30	0.15	0.6	10.80	
		30-60	4	30	0.15	0.6	10.80	
		60-90	4	30	0.15	0.6	10.80	
		90-120	4	30	0.15	0.6	10.80	
		120-132	4	12	0.15	0.6	4.32	
					cum		77.22	

CAPC 28/8

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

AEE DE(W) 25/8/2020

AEE DE(W) 25/8/2020

CAPC 28/8

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

AEE DE(W) 28/8/2020

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

6	Providing and fixing 10cms thick pre cast RCC covering slab using reinforced cement concrete M20 mix with stone aggregate 20mm and down size including centring shuttering reinforcement and bar bending machine mixed concrette laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing complete as per specfications						
	1ST A cross	nos					
		0-30	100	0.6	0.75	45.00	
		30-60	100	0.6	0.75	45.00	
		60-90	100	0.6	0.75	45.00	
		90-120	101	0.6	0.75	45.45	
		120-132	44	0.6	0.75	19.80	
					sqm	200.25	
7	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 of size 450x150x500 mm and finished with CM 1:3 plastering and finishing cutting etc., complete						
	1ST A cross	nos					
		0-30	134			134	
		30-60	134			134	
		60-90	134			134	
		90-120	134			134	
		120-132	54			54	
					nos	590.00	

Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P., Bangalore.

LIDP DE(Ld) 10/11/2020

8	Providing and applying ready mix priming coat over ocncrete / masonry, / asbestos cement sheet / plastered surfaces includding preparing the surface after thorougly cleaning of oil, grease, dirt and other foreign matter and sand papering including cost of materials, labour compelte as per specifications						
	1ST A cross	Sqm					
		0-30	134	0.45		60.3	
		30-60	134	0.45		60.3	
		60-90	134	0.45		60.3	
		90-120	134	0.45		60.3	
		120-132	54	0.45		24.3	
					sqm	265.5	NDD DE(HQ) 10/11/2020
9	Laying Reinforced cement concrete pipe NP2 / prestressed concrete pipe for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets complete as per specifications. MORTH Specification No. 2900 B. 1200 mm dia						
	mtr	8	3			24	
						24	NDD
10	Providing 100mm and down size nominal size.						
	cum	8	0.28		1	2.24	
						2.24	NDD
11	Providing 40mm and down size nominal size.						
	cum	8	0.28		0.4	0.90	
						0.90	NDD
12	Providing 20mm and down size nominal size.						
	cum	8	0.28		0.4	0.90	
						0.90	NDD
13	Providing Fine aggrgate 2.36mm nominal size						
	cum	8	0.28		0.3	0.67	
						0.67	NDD
14	Providing and fixing MS Grating						
	nos	16				16.00	
						16.00	NDD

CA Pc
Assistant Executive Engineer,
Jigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Assistant Engineer

Assistant Executive Engineer
Assistant Engineer
Koramangala Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

15	Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH		
		272.58	

Assistant Engineer
Ward No.07

10/11

Assistant Executive Engineer
Kodigehalli Sub division

Assistant Executive Engineer
Rajagopalnagar Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Executive Engineer
Byatarayanapura Division